



17 October 2006

Announcements

1. Greetings!
2. GLOBE International Advisory Committee
3. Annual Partner Survey
4. 2006 GLOBE Conference in Thailand
5. 2007 GLOBE Conference in the USA
6. 2008 GLOBE Learning Expedition (GLE) in Africa

Greetings GLOBE Partners!

We have many new happenings within the GLOBE community to share with you. Dr. Ed Geary, GLOBE Acting Director, will be sending out a monthly *Director's Message* to all Partners that you should be receiving very soon. In the meantime, I am pleased to share with you our new Regional Newsletter format and to provide you with an update of what is occurring at the GLOBE Program Office and in the GLOBE Community around the world!

You will find four sections within the Newsletter—**Announcements** regarding important dates and GLOBE Program Office activities; **Regional News** containing information about important milestones celebrated by GLOBE Partners around the world, strengthening GLOBE Learning Communities and tools to facilitate use of the Partner Administrative Page of the GLOBE Web site; **Science** briefs about GLOBE's new Earth System Science Projects (ESSPs) and updates from GLOBE's Chief Scientist; and **Education** updates about GLOBE events and products.

We hope that the information we are reporting on is helpful to you as you continue to recruit, train and mentor GLOBE teachers. We encourage feedback about our new online Newsletter. Feel free to send your comments and to suggest any additional information that you wish to be included in future newsletters so that, together, we work to expand communication of current developments in our vibrant, interconnected, worldwide GLOBE Community.

Sincerely,

Teresa J. Kennedy, Ph.D.

Director, International/U.S. Partnerships and Outreach & U.S. Country Coordinator

ANNOUNCEMENTS

GLOBE International Advisory Committee (GIAC)

GIAC Regional Representatives

Chair: Zakeya Ahmed Ali, Near East (Bahrain) <zakeyaahmed@yahoo.com>

Alternate Chair: Michael Odell, North America (Texas) <modell@uttyler.edu>

Margaret Besong, Africa (Cameroon) <margieb84@yahoo.com>

Maria del Carmen Galloni, Latin America/Caribbean (Argentina) <mgalloni@uces.edu.ar>

Karl Torstein Hetland, Europe (Norway) <karlth@online.no>

Raj Mehta, Asia/Pacific (India) <rmehta@nic.in>

The GLOBE International Advisory Committee is an advisory body organized exclusively for the GLOBE Program. The purpose of this advisory body is to provide GLOBE Regional Consortia a formal mechanism for community input in the overall implementation, enhancement, and sustainability of the GLOBE Program. The GIAC has been established for advisory purposes and does not hold binding authority or fiduciary responsibility for activities of the GLOBE Program. The GIAC will provide advice to the GLOBE Director that could assist GLOBE to make progress toward our NGG goals including student-teacher-scientist partnerships, regionalization and issues surrounding programmatic sustainability around the world.

The GIAC will:

- provide community input to the GLOBE Program Office and representatives from sponsoring agencies (e.g. NASA and NSF) on programmatic activities, opportunities and priorities;
- provide community input and assistance relating to the enhancement and sustainability of the GLOBE Program; and
- report on and share information on GLOBE Program activities, opportunities and priorities of regional relevance, and disseminate information in the regions that they represent.

The first GIAC meeting took place at the 10th GLOBE Annual Conference in Phuket, Thailand, on 29 July 2006, where initial discussions included the establishment of the GIAC Charter. The next GIAC meeting will take place in Washington D.C. on 8–9 January 2007. Please contact your GIAC Regional Representative to provide your input into these discussions.

Annual Partner Survey

Thank you to all who completed the 2005 GLOBE Annual Partnership Survey. The information gathered from the survey serves two extremely important purposes.

1. The information you document each year regarding your partnership activities is fed into a database designed to produce a report for your own management purposes and all components of this same report can easily be used in the proceedings of Annual GLOBE Conferences or other reporting that you do on a regular basis.
2. The GLOBE Program Office must collect information regarding your GLOBE activities in order to document program activities, complete required reporting to NASA and NSF, as well as receive information that will help us to improve our ability to facilitate your partnership objectives and activities.

In addition, the information gathered through the Annual Partner Survey provides new insights on how to strengthen partnerships and promote collaborations in your region and around the world, while also helping to define your plans for the upcoming year.

The 2006 survey must be completed by 26 January 2007. You can begin updating your information and adding to your data base now. Don't wait! To log on to the 2006 Partner Survey, click on the following link, or copy it into your Web browser:

<http://www.globe.gov/fsl/ADMIN/PARTNERSURVEY/DisplaySurvey.pl>

If you need any assistance with completing the survey please contact your Regional Desk Officer and they will help you!

2006 GLOBE Conference in Thailand

The 10th GLOBE Conference, “The New Decade for Global Sustainable Development,” and Marine Coastal Resources Symposium took place in Phuket, Thailand, from 27 July through 4 August and brought together a diverse group of over 250 participants from 29 GLOBE partner countries.

Many distinguished guests attended the conference representing The Thailand Royal Development Projects, Thailand Research Fund, the United Nations Environment Programme (UNEP), the United Nations Educational, Scientific and Cultural Organization (UNESCO), and the World Meteorological Organization (WMO), all providing informative keynote presentations concerning Education for Sustainable Development, Student Research, and partnerships with GLOBE.

NASA and NSF representatives announced GLOBE’s new Earth System Science Projects (ESSPs) on the opening day of the conference. In addition, over 50 presentations led by the GLOBE community highlighted topics within five featured conference stands: Collaborative Research, Sustainability Education in the Context of GLOBE, GLOBE Assessment and Implementation, GLOBE Capacity Building, and GLOBE Program Office Special Sessions.

Country Coordinators met within their regional breakout groups and discussed the future development of their respective regional consortium as described in the Regional News Section of this newsletter. In addition, eight GLOBE Alumni (story can be viewed at http://www.globe.gov/fsl/STARS/ART/Display.opl?star=globealumni_06&lang=en&nav=1) representing all six GLOBE regions attended the conference and met throughout the week. The alumni presented a draft of their vision and purpose along with an expression of deep gratitude for the support and guidance from their regional coordinators and the GPO. They also expressed that the continued sense of belonging was important to them and pledged their cooperation in all GLOBE activities. In addition, 71 current GLOBE students attended from four countries.

Read more about the 2006 Annual Conference, including viewing the conference agenda, presentations, reports, photo gallery and information about the Marine Symposium.

<http://www.globe.gov/fsl/html/templ.cgi?thailand2006&lang=en&nav=1>

2007 GLOBE Conference in the USA

The 11th GLOBE Annual Conference will be held in San Antonio, Texas, from 29 July – 3 August 2007. Mark these dates on your calendar now! The final day of the conference will include many workshops and protocol refresher trainings, including trainings for any new Earth System Science Project (ESSP) activities that have been developed.

The Conference, hosted by the University of Texas at Tyler and Austin, in partnership with Northern Michigan University and Southern Connecticut State, will be held at the Historic Menger Hotel. We hope to see y’all there! View more information about the GLOBE Annual Conference on the homepage of the GLOBE Web site at <http://www.globe.gov/fsl/html/templ.cgi?annual-conf&lang=en&nav=1>.

2008 GLOBE Learning Expedition (GLE) in Africa

The GLOBE Program Office is pleased to announce that the next GLE will be held in George, South Africa, in February 2008. Begin planning now for students to present their research. The GLE will

provide an excellent venue for students from around the world to interact with scientists and each other. In addition to student presentations, there will be field activities, student art displays and cultural events. Check the home page of the GLOBE Web site for updates on the 2008 GLE at http://www.globe.gov/fsl/html/templ.cgi?gle_general&lang=en&nav=1.

Regional News

Happy Anniversary!

Welcome New GLOBE Representatives

Regional News

STARS

Linking to the GLOBE Community

GLOBE Web site and Partner Administration Page changes

Happy Anniversary!

The following countries celebrate their 10-year anniversaries as GLOBE Countries during the second half of this year!




 Costa Rica
 Ecuador
 Estonia
 The Gambia

 Jordan
 Luxembourg
 Marshall Islands
 Mexico

 Portugal
 Trinidad & Tobago
 United Kingdom

Welcome New GLOBE Representatives

Please join us in welcoming several new international representatives to GLOBE.

 [Denmark](#) Mr. Jimmy Mangelsen, Country Coordinator
 [Germany](#) Mr. Mark Mueller, Training Point of Contact
 [Maldives](#) Mr. Ahmed Saleem, Country Coordinator

Regional Reports

Africa

Asia and the Pacific

Europe and Eurasia

Latin America and the Caribbean

Near East

North America

Africa

Representatives from the GLOBE Africa Consortium (GAC) formally adopted the GAC Constitution at the 10th Annual Conference in Phuket, Thailand. The constitution has been a work in process that began at the 8th Annual GLOBE Conference that took place in Boulder, Colorado, in 2004, and continued at the 9th Annual conference in Prague, Czech Republic, and two regional meetings held in

Niger (2005) and Uganda (2006). The GAC Constitution was the result of 19 countries (Benin, Cameroon, Cape Verde, Congo, Ethiopia, Gabon, Gambia, Ghana, Kenya, Madagascar, Mali, Mauritania, Níger, Nigeria, Rwanda, Senegal, South Africa, Tanzania and Uganda) working together to plan for the future of GLOBE in their region.

The GAC is currently discussing models to build sustainability for GLOBE in Africa. In addition, plans are being discussed to hold a GLOBE Africa Meeting in April 2007 to bring together Country Coordinators, Ministry representatives in charge of GLOBE in each country, Master Trainers, Assistant Master Trainers, teachers, students and administrators to share and move forward with Next Generation GLOBE activities. This event will provide an opportunity to ensure support by Ministries in each country, to promote Ministry level endorsement of the regional constitution, as well as prepare for the upcoming GLOBE Learning Expedition (GLE) that will take place in George, South Africa, in 2008.

The GLOBE Africa Meeting scheduled for April 2007 will be held in conjunction with a GLOBE Training Workshop and the Southern Cape Environmental Health Congress where GLOBE will be represented. As a model to promote sustainability, GLOBE materials connect well with environmental health topics. Linking with environmental health organizations and practitioners as members of GLOBE Learning Communities (GLCs) could provide relevance for student research and help with sustained implementation in schools. Information about the meeting and workshop will be available soon.

A GLOBE Train-the-Trainer workshop was held in Akure, Nigeria, during 22–25 August 2006. The Governor of Ondo State, Dr. Olusegun Agagu, hosted the workshop and provided equipment for schools. The international training team consisted of Tom Berlin and Todd Ensign from West Virginia (USA), Bob Ford from Texas (USA), Mark Brettenny from South Africa, George Nditifon from Cameroon, and Awodugba Ayodeji and John Arubayi from Nigeria. There were over 80 participants from 40 schools and representatives from the Federal and State governments, World Meteorological Organization (WMO), Nigeria National Meteorological Service, universities, and the African Regional Centre for Space Science and Technology Education (ARCSSTE-E, a UN organization). As with the connection with environmental health organizations and practitioners, plans for GLC models in Nigeria that include the National Meteorological Services, universities, and the African Regional Centre for Space Science and Technology Education (ARCSSTE-E, a UN organization) are being developed. These models have potential applications throughout Africa.

REMINDER: 4th GLOBE Learning Expedition will take place in February 2008 in Africa!

It has been three years since the last GLE took place in Croatia. The next GLE will be in George, South Africa. A new Web page located on the GLOBE homepage has been posted announcing this event! Keep your eye on the GLOBE Web site for information about this upcoming event.

Asia and Pacific

Representatives from six Asian and Pacific countries attended the 10th Annual GLOBE Conference in Phuket, Thailand, including Japan, New Zealand, Pakistan, the Philippines, Sri Lanka, and Thailand. This was the first time an Annual Conference has been held in the Asia and the Pacific region.

Country Coordinators, GLOBE Master Trainers, and other Asian representatives met throughout the week and initiated discussions on the development of a regional collaborative project as part of a broader initiative to establish stronger connections within the region and coordinate efforts. The group decided upon pursuing a watershed study as a collaborative project to recognize the work of student

groups from the region since this theme ties many of the current interests and directions of the region together as well as incorporates many of the protocols from the GLOBE investigations. To learn more about your country's involvement in the regional collaborative project and how to become involved, please contact your Country Coordinator.

A regional meeting and training event is currently being planned to bring all Country Coordinators together to further the development of a consortium for the region. More information about this upcoming event will be available soon!

Europe and Eurasia

Representatives from eleven European Countries attended the 10th GLOBE Annual Conference in Phuket, Thailand, including the Czech Republic, Denmark, Estonia, France, Germany, Hungary, Iceland, Norway, Russia, Spain, and the United Kingdom. During the regional planning sessions, they shared recent activities in all of the countries present as well as discussed future collaborative projects, including potential collaborations with the new ESSPs.

GLOBE Europe met in January 2006, in Paris, France. The next GLOBE Europe meeting will be held in Budapest, Hungary, in April 2007. More information will be sent to European and Eurasian country coordinators as plans are finalized.

Karl Hetland, Chair for GLOBE Europe, introduced International Polar Year (or IPY), which all countries are participating in (see <www.ipy.org>). There are several GLOBE projects linked to this, including GLOBE's new NSF project "Seasons and Biomes", as well as a new fish project similar to Arctic POPs that is being lead by GLOBE Norway. Other regional projects include:

- Potential visit for teachers to Spitsbergen (one of the few places in the world where the sun shines for 24 hours in June);
- Live polar expedition in March 2007;
- Special event for UN Environment Day on 5 June 2007;
- The European Geophysical Union event for teachers in Vienna (see <<http://www.copernicus.org/EGU/EGU.html>>);
- Special project about animals in Antarctica.

Contact Karl Hetland <karlth@online.no> for more details on these projects.

Other regional highlights include the recent activities of Geir Endregard, of the Norwegian Institute for Air Research (NILU), who presented valuable information about a Norwegian Sustainable Development initiative now launched in English at <www.sustain.no>. The Web site covers a broad set of both social and environmental activities. In addition, there are potential links to the GLOBE UK Sustainable Development initiatives. For more information please see the GLOBE Europe Web site at <<http://www.globe-europe.org/>>.

Latin America

The Third Latin America and Caribbean Regional Meeting and International Training event took place on 1–7 July 2006 in the city of Buenos Aires, Argentina. Participation in this important event included 11 countries representing Latin America and the Caribbean—Argentina, Chile, Colombia, Costa Rica, the Dominican Republic, Ecuador, Mexico, Panama, Peru, Puerto Rico, and Uruguay—in addition to the participation of trainers from Spain and the United States of America.

All participants in the regional meeting acknowledged the work produced as a result of the past two regional meetings that took place in Costa Rica and Perú in 2005, and agreed to formally create the Latin American and Caribbean Consortium (Consortio Latinoamericano y del Caribe—CLAC). Key officers were identified along with specific roles and responsibilities for each position. See the recent GLOBE Star on this event.

An impressive component of the workshop was the participation of 28 trainers from the region's Master Trainer Program—4 Master Trainers and 24 Master Trainer Candidates representing 13 countries in Latin America and the Caribbean. Representatives from Spain and the United States also attended the event, resulting in the largest Master Trainer activity occurring in the region. Representatives from the World Meteorological Organization, the Argentine Meteorological Services, UNESCO, and many other organizations participated in the event. See the recent GLOBE Star on this event at <<http://www.globe.gov/fsl/html/templ.cgi?argentinaJul06&lang=en&nav=1>>.

The second Latin American and Caribbean Consortium Meeting will take place in Saber City, located in Panama City, Panama, at the CIALT Center on 2–3 February 2007, followed by a Master Trainer event on the 5–7 February 2007. More information will be sent to all countries in the region soon!

Near East

Representatives from Bahrain, Lebanon, and Saudi Arabia met at the Annual Conference to discuss the status of GLOBE activities in the region. Topics discussed included the translation of the GLOBE Teacher's Guide and Web site into Arabic, how to improve communication among coordinators in the region, and how the GLOBE Program Office (GPO) can support efforts in the region. Participants at the regional meeting requested the GPO to send letters to the Ministers responsible for GLOBE in their countries to inform them of GLOBE activities in their countries and regions, and to remind them of responsibilities identified in the GLOBE bilateral agreements. The GPO will be sending such letters to the Ministers of all GLOBE countries in October.

A regional meeting took place 20–21 September 2006 in Jordan. GLOBE countries represented include Bahrain, Jordan, the Kingdom of Saudi Arabia, Lebanon, and Qatar. The main topic at the meeting was the translation of GLOBE materials. In addition, initial plans are underway to hold a GLOBE training workshop in the region. More information will be sent as workshop dates, location, and details are finalized.

North America

Partners from the North American Region met at the annual conference to discuss issues related to North American Partners. Partners in attendance were from Alabama, Alaska, Arkansas, Iowa, Montana, Texas, Virginia and West Virginia. They provided updates on current activities and discussed many great projects being implemented across North America. There was also a discussion of how the North American Region could be structured. There was general consensus that the North American Region should establish a charter as well as appoint regional representatives to increase communication and collaboration throughout the region. Dr. Teresa Kennedy, U.S. Country Coordinator, will be working with the region on these activities. Over the past years, U.S. Partner activities have included Partner Implementation Workshops (PIWs) and more recently GLOBE Learning Community (GLC) meetings, all facilitated by the GLOBE Program Office (GPO). In the future, these meetings will be

referred to as North America Regional Meetings, including representatives from Canada and the U.S., and organized with more input from the region.

The next North America Regional Meeting will be held in conjunction with NSTA's 2007 Conference on Science Education on Wednesday, 28 March 2007, in St. Louis, Missouri. The meeting will take place the day prior to the start of the convention just as it did during the 2006 NSTA conference. To view a summary of last year's event see

<http://www.globe.gov/fsl/html/templ.cgi?nsta_2006&lang=en&nav=1>.

It was also proposed that a North American Planning Meeting be held prior to the scheduled meeting in March at NSTA, tentatively proposed for January 2007. An upcoming region-wide teleconference IS scheduled to occur in October to focus on identifying North American Regional Representatives, the Canadian and U.S. perspectives on GLOBE implementation, the agenda for the GLOBE North America Regional Conference at NSTA, as well as the 2007 Annual GLOBE Conference that will be held in San Antonio, Texas. More information, including call-in instructions, will be sent out in the next two weeks.

Reminder: The 11th GLOBE Annual Conference will be held in San Antonio, Texas from 29 July – 3 August 2007. Mark these dates on your calendar now! The final day of the conference will include many workshops and protocol refresher trainings, including trainings for any new Earth System Science Project (ESSP) activities that have been developed.

The Conference, hosted by the University of Texas at Tyler and Austin, in partnership with Northern Michigan University and Southern Connecticut State, will be held at the Historic Menger Hotel. We hope to see y'all there! View more GLOBE Annual Conference information located on the homepage of the GLOBE Web site <<http://www.globe.gov/fsl/html/templ.cgi?annual-conf&lang=en&nav=1>>.

STARS

Thank you for helping us highlight your region and provide the exposure deserved by all! We would like to continue to highlight special GLOBE events as well as any GLOBE activities that GLOBE teachers and students would like to share with the GLOBE community. Many times these stories provide ideas and inspiration to other schools, teachers and partners around the world. Please help us acknowledge these events by writing up your news and sending it to us with photographs of the event. We do not have the manpower to create the entire article of your special event from your notes and comments. You can help us by creating a draft article and submitting it with a few photographs. Please remember that all pictures must have a completed release form in order to be posted on the GLOBE Web site. Go to <http://www.eol.ucar.edu/dir_off/photorelease.pdf> to download the picture release forms.

Send your finished article to your GLOBE Regional Desk Officer (located on the Partners' Corner of the Web site at <http://www.globe.gov/hq/templ.cgi?regional_directors&lang=en&nav=1>). Hard copies of completed release forms can be faxed to the GLOBE Program Office or sent to:

GLOBE STARS Photo Release
The GLOBE Program
P.O. Box 3000
Boulder, CO 80307-3000 USA
Fax: 303-497-2638

Linking to the GLOBE Community

Regional Desk Officers continue to work with U.S. Embassies in GLOBE countries to assist with implementation efforts. Please contact your GLOBE Regional Desk Officer to learn more about the status in your country. The GLOBE Program Office would like to extend a special thank you to the U.S. Embassy in Denmark and the Regional Environmental Hub Officer, Ms. Lori Dando, for preparing a document describing how U.S. Embassies can be of assistance to your GLOBE initiatives. We have similarly adapted the document for Country Coordinators to use when seeking assistance from the U.S. Embassy. We encourage you to share this information with your local embassy representatives.

The GLOBE Program is continuing in our efforts to connect with our UCAR Affiliates in over 60 countries. UCAR Affiliates have already expressed interest in partnering with GLOBE and assisting in expanding their learning community to include GLOBE Partners around the world. Please visit the May 2006 newsletters found in the Partners' Corner of the GLOBE Web site for more information on our efforts or visit the UCAR list of International Affiliate Institutions for contact information for the UCAR Affiliates <<http://www.ucar.edu/governance/iap/iapreps.shtml>> nearest you.

GLOBE Web site and Partner Administration Page changes

GLOBE Massmail

Are you looking for a convenient way to communicate with GLOBE schools? A little known tool that is a great time saver is GLOBE Massmail.

Log in using your Partner ID and go to the Administration Page of the GLOBE Web site. You can send a GLOBE Massmail to all registered schools with email addresses in your country or region by clicking on "Send a Mass GLOBEMail message" under the communications section. Be sure to select the 'email reminder option' so everyone will be notified to log-on to with their GLOBE ID and password to see your message. In case a teacher has forgotten the school's username and password, a tool is included to assist in requesting this information.

International GLOBE Partner Implementation Guide

The Partner Implementation Guide includes information on the roles of the Country Coordinator, information on GLOBE science, training GLOBE, GLOBE IDs and much more. In order to view, please log-in with your Partner ID and password. The Partner Implementation Guide is located in the Administration Pages under the Support Materials section, entitled "Guidelines for GLOBE Program Implementation by International Partners."

Partner Administration Manual

The Partner Administration Manual is intended as a supplement to the GLOBE Web site's Administrative Pages and Partner Support materials. It includes descriptions and step-by-step instructions on using the Web site. In order to view, please log-in with your Partner ID and password and visit the Administration Pages section of the GLOBE Web site. The Partner Administration Manual is located under the Support Materials section.

1. **GLOBE's NEW Earth System Science Projects**
2. **Chief Scientist's Blog!**
3. **Chief Scientist's Letters of Recognition**

GLOBE's NEW Earth System Science Projects

NASA and NSF representatives announced GLOBE's new Earth System Science Projects (ESSPs) at the GLOBE 10th Annual Conference in Phuket, Thailand, and the first official planning meeting occurred at the GLOBE Program Office on 18–19 September 2006. The GLOBE Program Office (GPO) is actively working to connect our new Earth System Science projects with GLOBE's international network of partners, schools and GLOBE learning communities. The four new projects are:

- The GLOBE Carbon Cycle project led by the University of New Hampshire partnering with North American Carbon Cycle scientists.
- From Local to Extreme Environments, a deep ocean project led by Pennsylvania State University in partnership with RIDGE and InterRIDGE scientists.
- The GLOBE Seasons and Biomes project, led by the University of Alaska at Fairbanks in partnership with scientists from the International Arctic Research Center (IARC), the International Polar Year (IPY), and NASA satellite missions.
- The GLOBE Watershed Dynamics Project led by Northwestern University in partnership with Consortium of Universities for Advancement of Hydrologic Science (CUASHI) scientists.

For more information about the ESS Projects see <<http://www.globe.gov/fsl/html/templ.cgi?essp-announce&lang=en&nav=1>>.

Chief Scientist's Blog

For several months, Chief Scientist Peggy LeMone has been writing a "blog" on an experimental basis. We are now happy to formally announce the blog and invite your participation. So far, topics have included discussions about the scientific method, looking at seasons from space, climate change, and fire weather. Thanks to those of you who have already posted comments!

"Blog" is short for "web log." Usually, blogs are used to post short notes on the Web and readers are invited to comment. Typically, "bloggers" (those who write blogs), write about their personal lives or discuss their opinions about current events. The Chief Scientist's blog will be about environmental science, with an emphasis on observations of natural phenomena in our daily lives. Readers are invited to make comments, and to react to each others' comments.

Please visit <<http://www.globe.gov/fsl/scientistsblog/>> to read and comment on Dr. LeMone's blog.

Chief Scientist's Letters of Recognition

Every two months, GLOBE generates and mails thousands of letters to schools around the world to congratulate students and teachers on their participation in GLOBE program activities. Signed by GLOBE's Chief Scientist, Dr. Peggy LeMone, these letters provide recognition for reporting data in ways and quantities thought to be particularly useful in scientific studies. For every 500 measurements reported, schools are recognized for climbing the rungs of the GLOBE ladder and receive letters

praising their success. For incremental increases in the reporting of specific categories (e.g. Clouds, Climate, Hydrology, etc.) schools are eligible for the Honor Roll and earn letters and certificates for their superior efforts. Data reporting is a key contribution to the success of the GLOBE Program. It allows the GLOBE database, currently over 15 million environmental data, to continue to grow and support student research. Chief Scientist Peggy LeMone is delighted to acknowledge the valuable contributions of junior scientists worldwide and of the dedicated teachers who support them. Please visit the Chief Scientist's Honor Roll to view schools that have reported more than 500 measurements. <http://www.globe.gov/fsl/html/flat.cgi?menu=9&file=honor_roll&lang=en&nav=1>

Education

1. **Second Annual GLOBE at Night Event**
2. **Elementary GLOBE Unit Coming Soon!**
3. **Elementary GLOBE Professional Development Workshop, 19–21 October 2006, Boulder, CO**

Second Annual GLOBE at Night Event

Mark your calendars for the 2007 GLOBE at Night campaign scheduled for 8–21 March 2007. The 2006 GLOBE at Night campaign was a tremendous success. Over 18,000 citizen-scientists in 96 countries submitted 4,591 observations reporting the darkness of their local night skies during the 10-day event. Results of the 2006 campaign can be found at <www.globe.gov/globeatnight>.

Information on the 2007 event will be posted on the GLOBE Web site later this fall. Help us reach our goal of 10,000 observations in 2007. For more information, contact Kirsten Meymaris <kirstenm@globe.gov>.

GLOBE at Night is a collaboration between The GLOBE Program, the National Optical Astronomy Observatory (NOAO), UCAR Office of Education and Outreach, Centro de Apoyo a la Didactica de la Astronomia (CADIAS), Windows to the Universe, and Environmental Systems Research Institute, Inc. (ESRI).

Elementary GLOBE Unit Coming Soon!

The GLOBE Program Office is pleased to announce that the Elementary GLOBE instructional unit has passed the NASA Products review process and is now freely downloadable from the GLOBE Web site at <<http://www.globe.gov/elementaryglobe>>.

Elementary GLOBE was designed to introduce K–4 students to the study of Earth System Science (ESS). Elementary GLOBE forms an instructional unit comprised of five modules that address ESS and interrelated subjects including weather, hydrology, seasons and soils. Each Elementary GLOBE module contains a science-based storybook, classroom learning activities that complement the science content covered in each book and teacher's notes. Each storybook explores a component of the Earth system and the associated classroom learning activities provide students with a meaningful introduction to technology, a basic understanding of the methods of inquiry and connections to math and literacy skills. The science content in the books and activities serves as a springboard to GLOBE's scientific protocols.

Elementary GLOBE Professional Development Workshop, 19–21 October 2006, Boulder, CO
Check out the GLOBE Web site for information regarding the Elementary GLOBE Professional Development Workshop scheduled for 19–21 October 2006 in Boulder, Colorado. This workshop is open to anyone interested in learning more about the Elementary GLOBE unit, one of GLOBE’s newest educational resources. For more information, see
<<http://www.globe.gov/fsl/html/templ.cgi?ElementGLBWksp&lang=en&nav=1>>.